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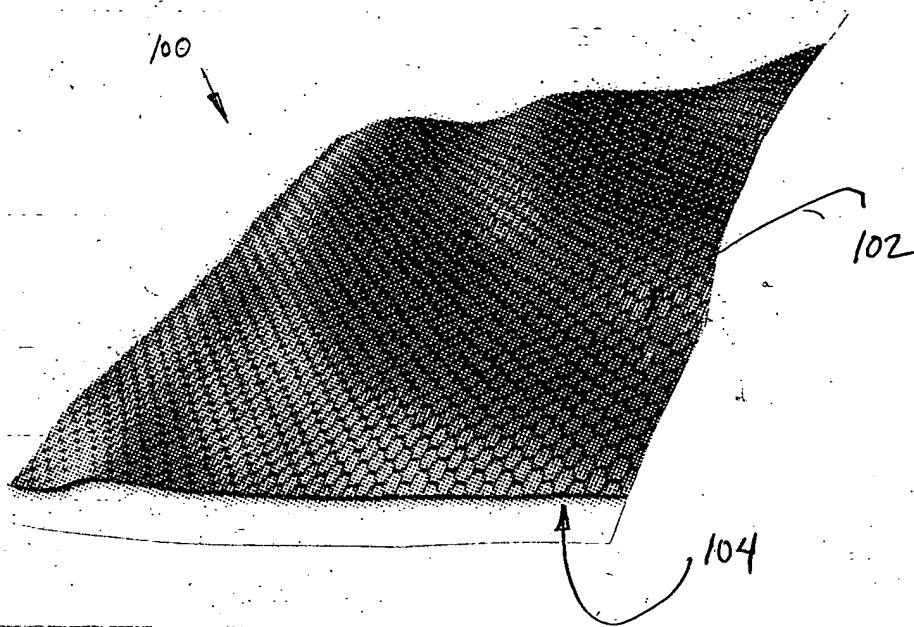


FIG. 1

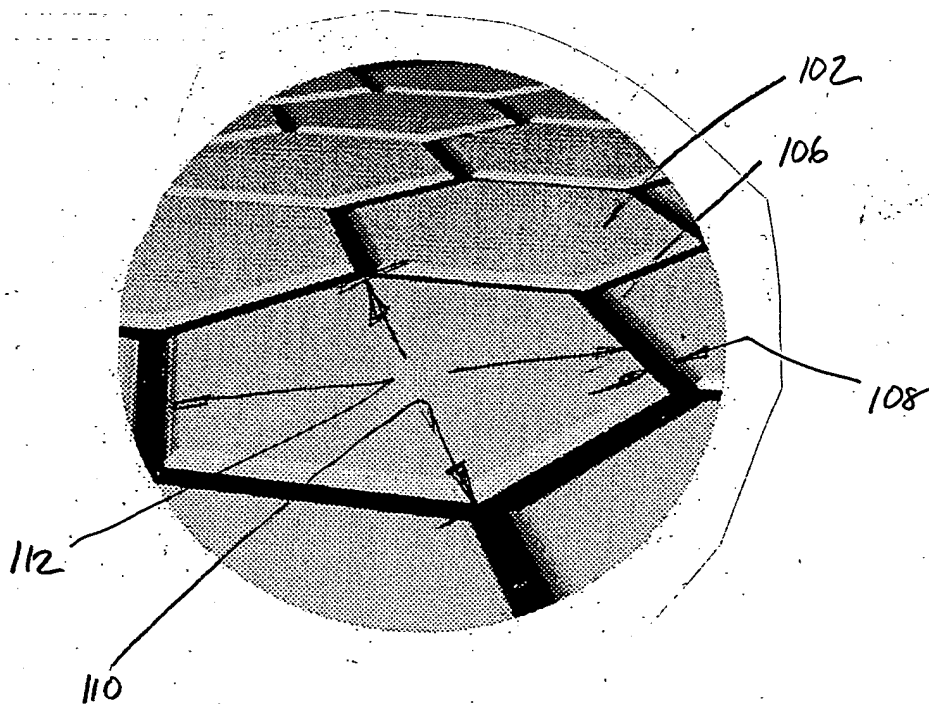


FIG. 2

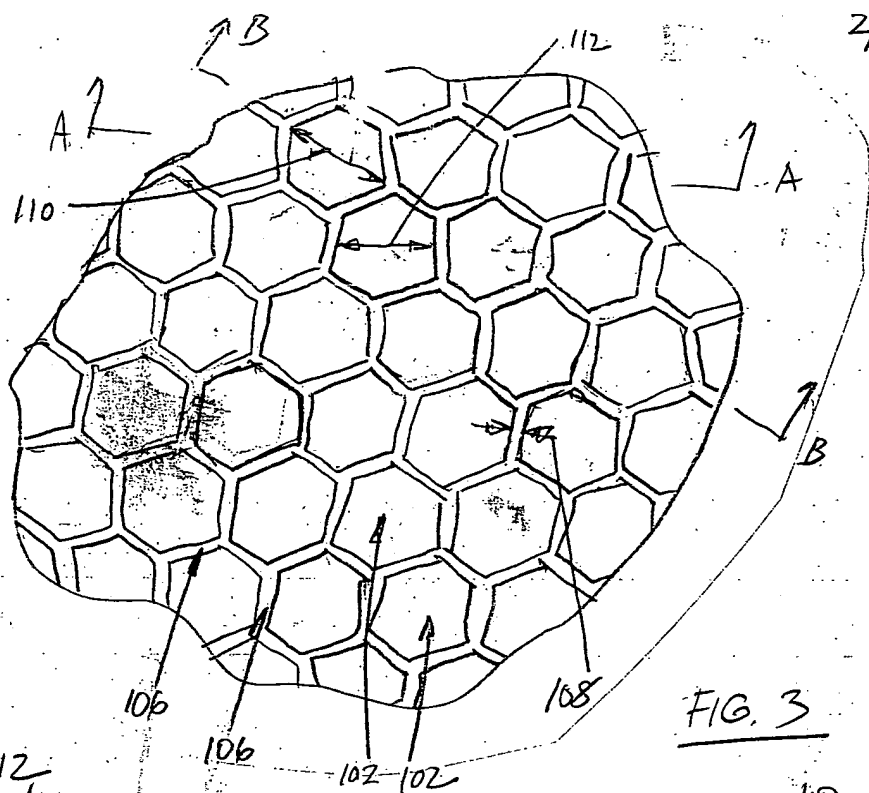


FIG. 3

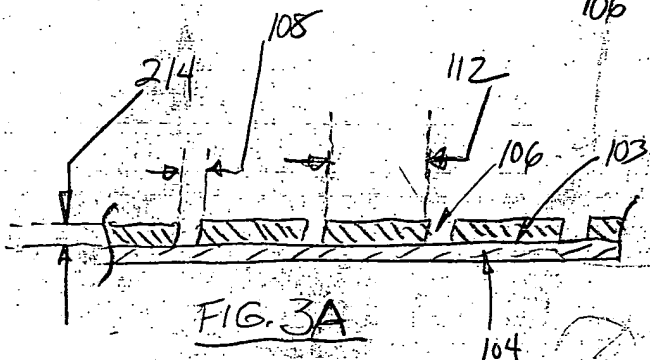


FIG. 3A

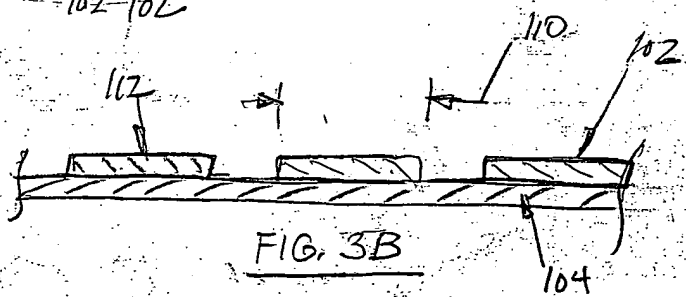


FIG. 3B

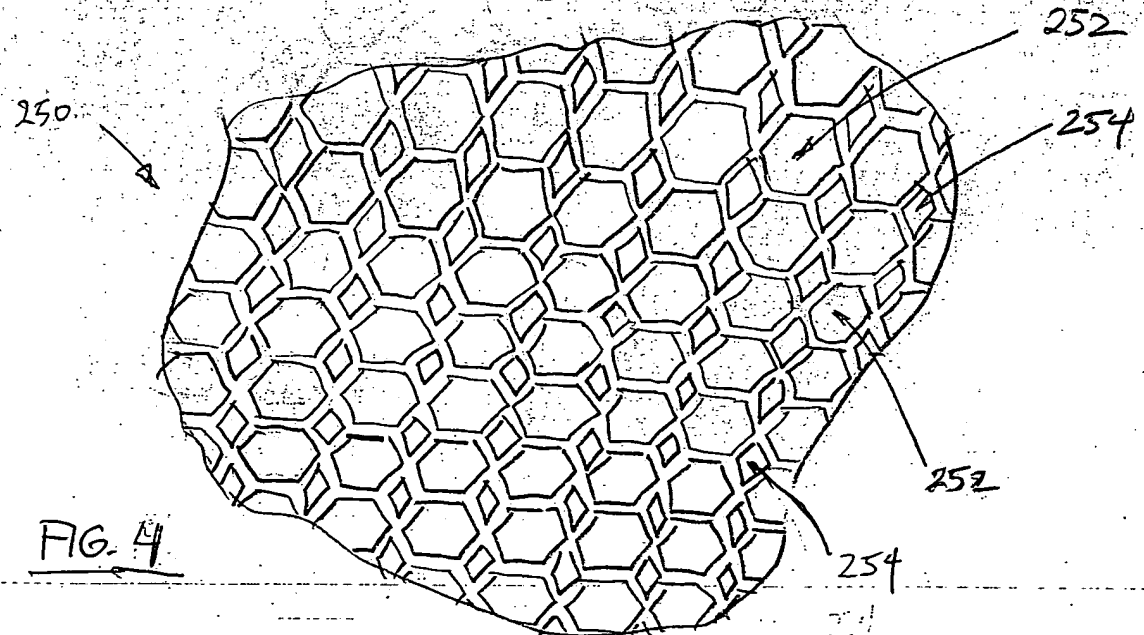


FIG. 4

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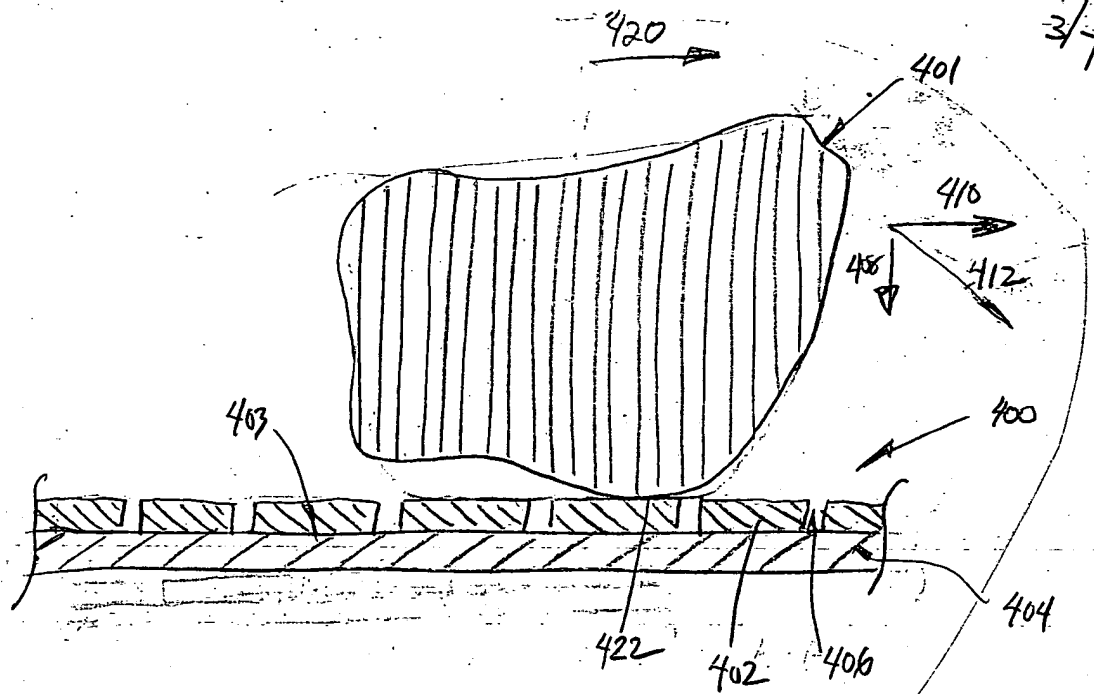


FIG. 5

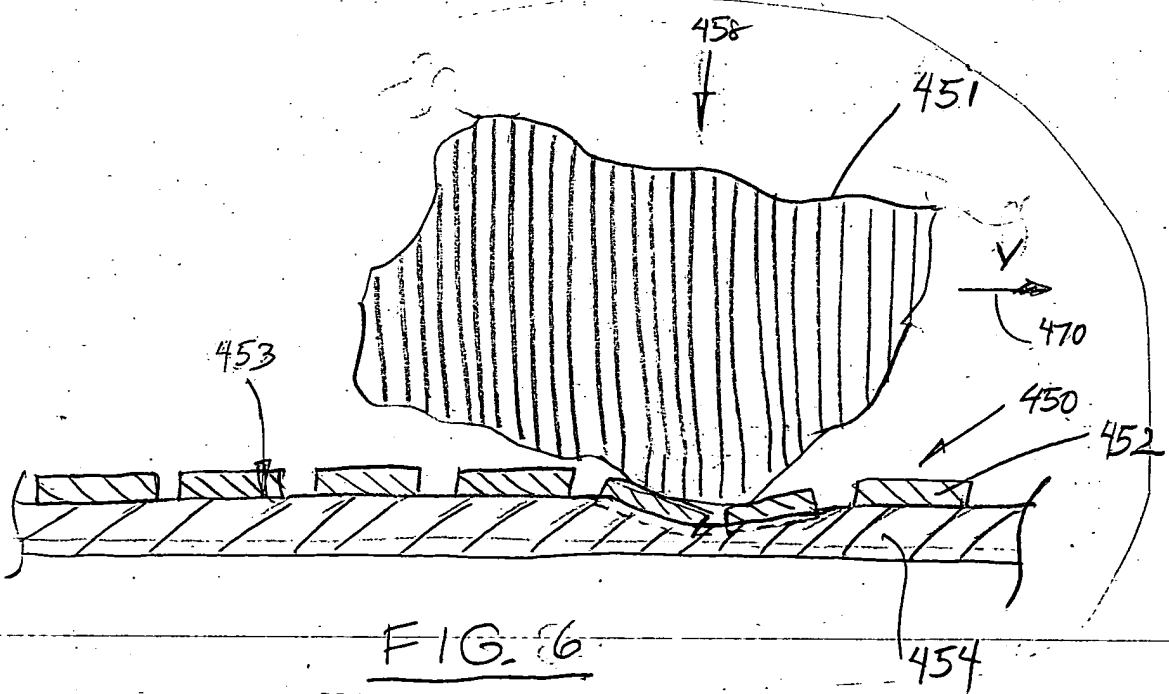


FIG. 6

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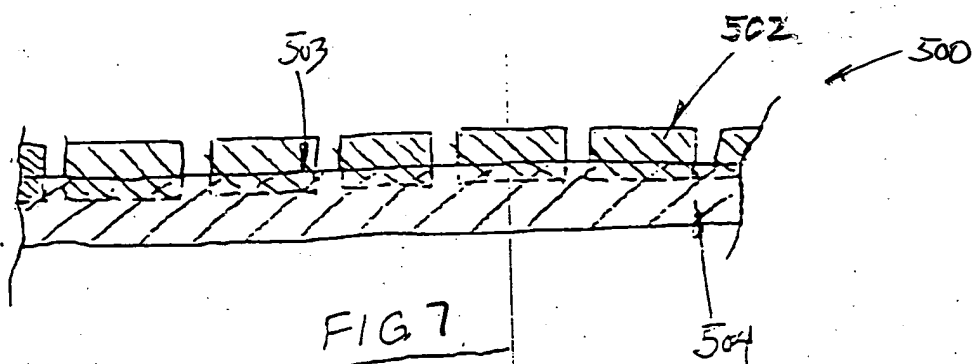


FIG. 7

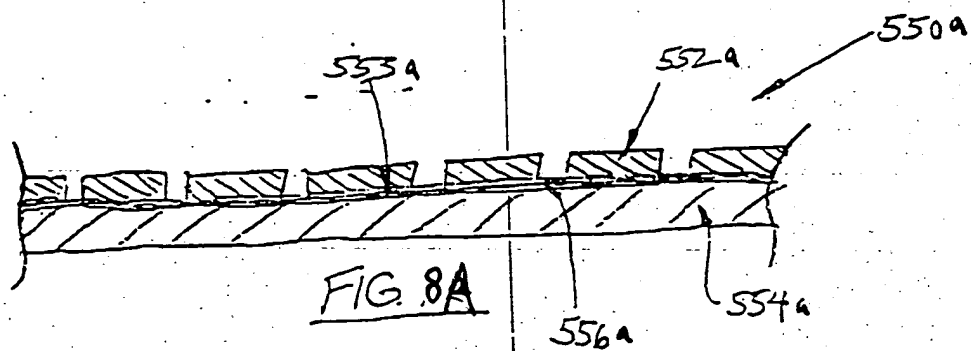


FIG. 8A

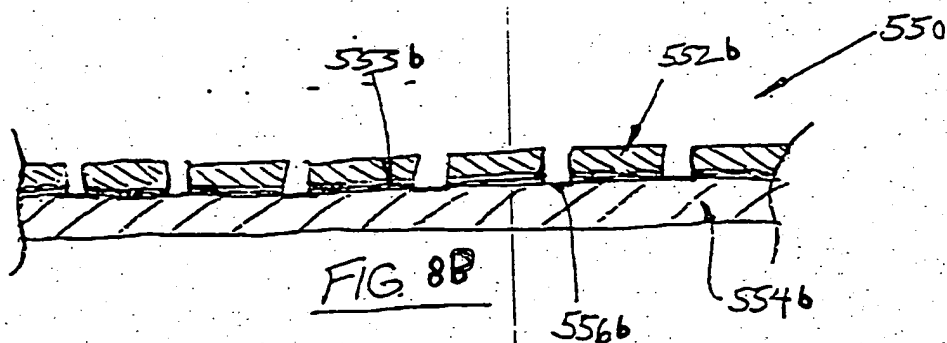


FIG. 8B

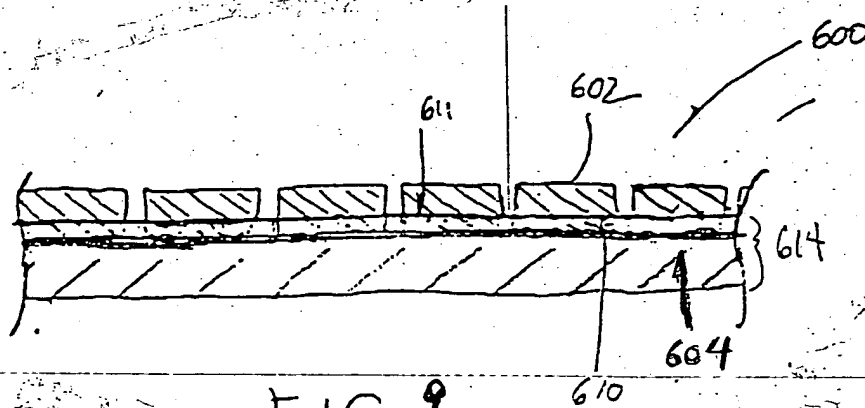


FIG. 9

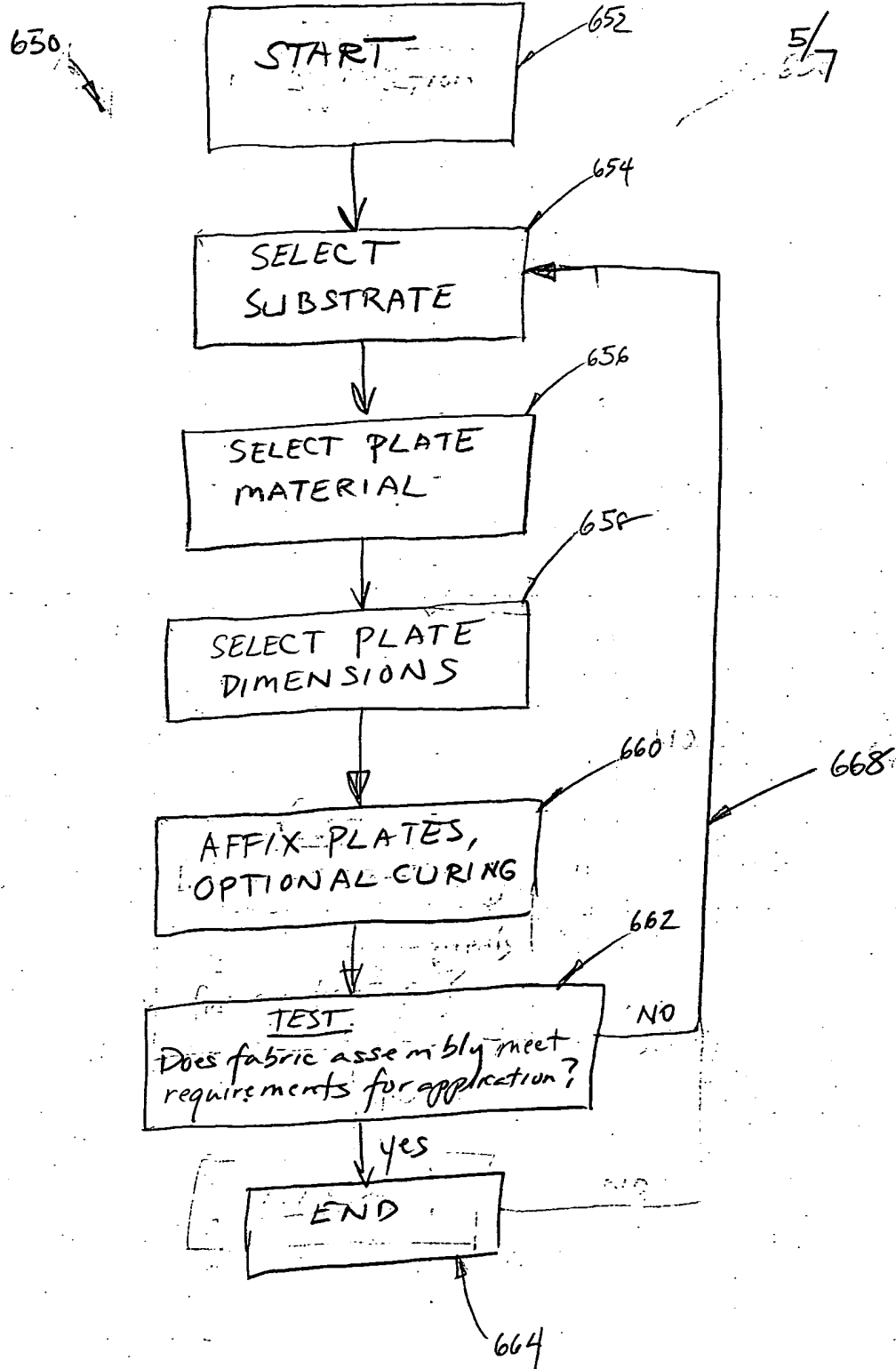


FIG. 12

700

702

START

704

SELECT FABRIC
SUBSTRATE

706

MEASURE
ABRASION
RESISTANCE OF
SUBSTRATE, A1

708

SELECT PLATE
MATERIAL

710

SELECT PLATE
DIMENSIONS

712

AFFIX PLATES,
OPTIONAL CURING

714

MEASURE ABRASION
RESISTANCE OF THE
FABRIC ASSEMBLY, A2

716

CALCULATE ENHANCE-
MENT FACTOR, F

720

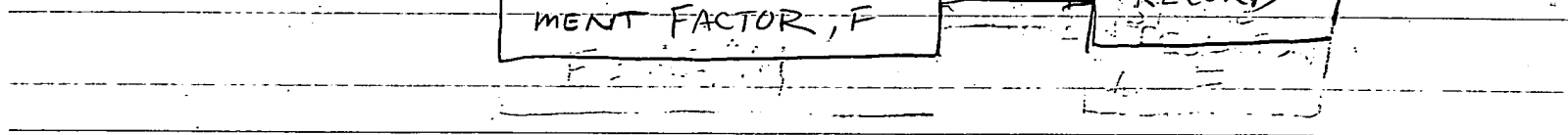
RECORD

718

FIG. 13

FIG. 12

$F = \frac{A_2}{A_1}$



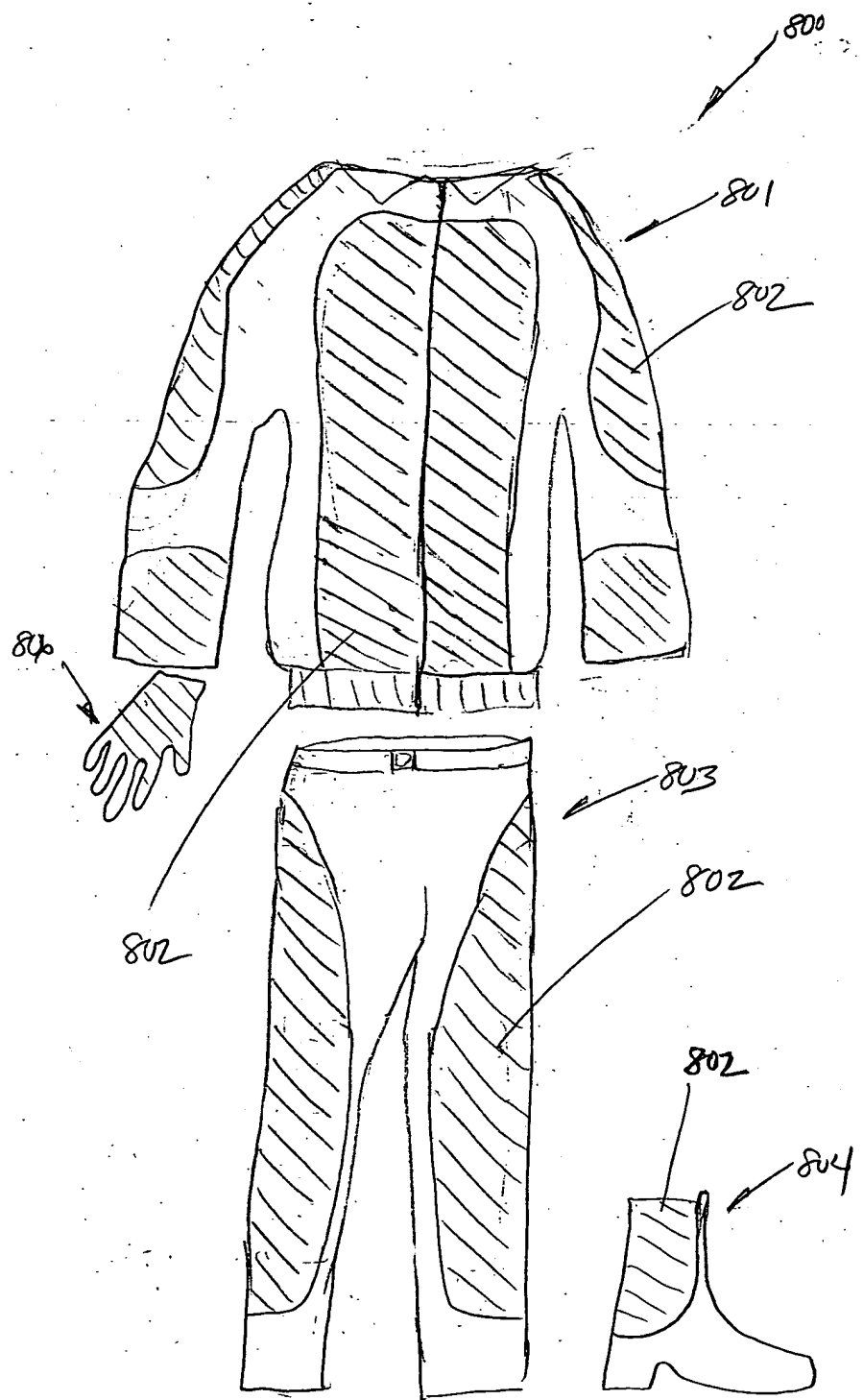


FIG. 14